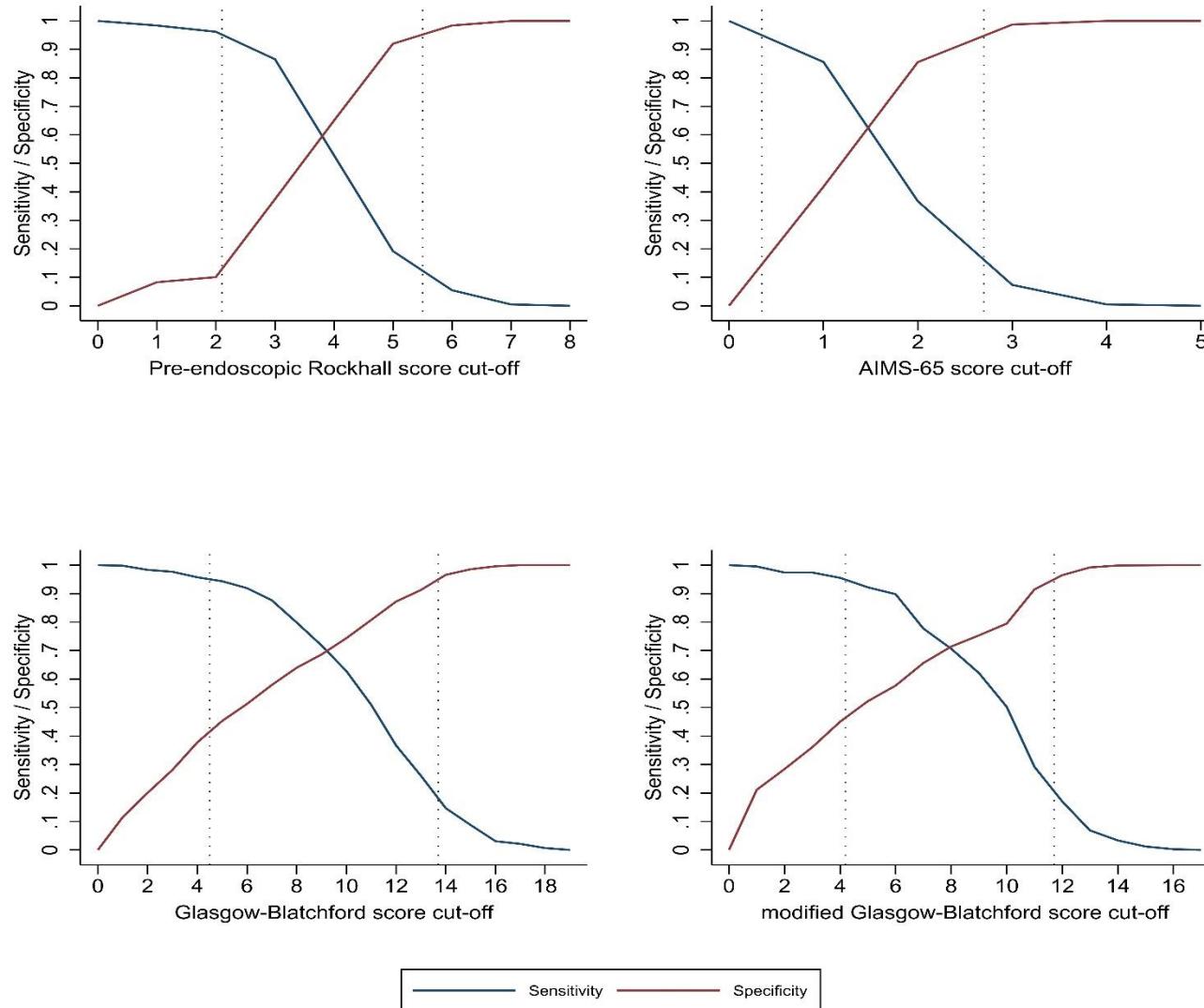


ADDITIONAL FILES

Supplement table 1. Description of the variables included in each UGIB scores.

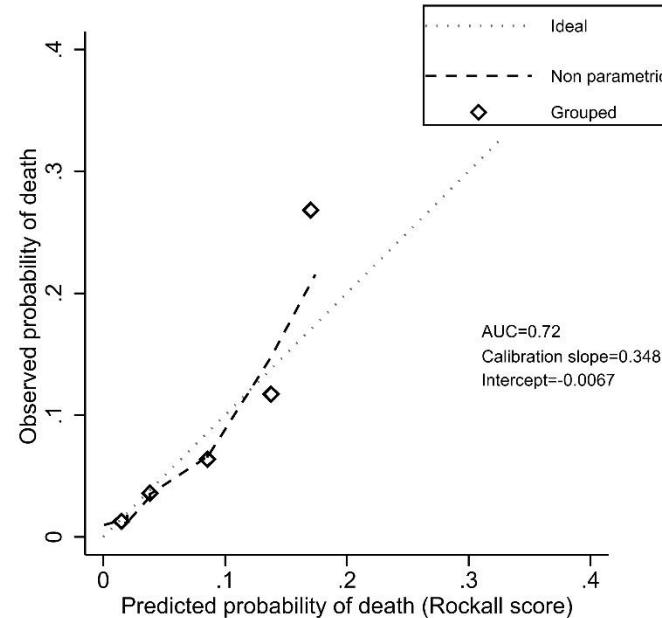
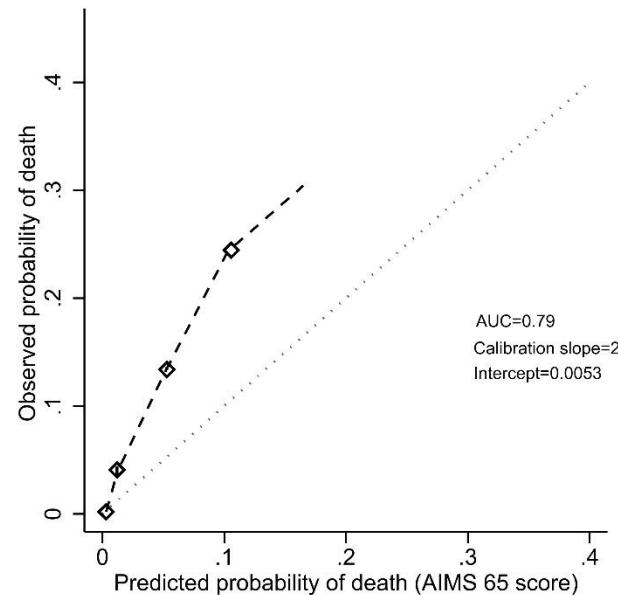
	Glasgow-Blatchford		Modified Glasgow- Blatchford	Rockall (pre-endoscopy)		AIMS 65	
Age (years)							
<60					0		
60-79					+1		
≥ 65						+1	
≥80					+2		
Initial systolic blood pressure	>100-109	+1	+1	SBP≥100 and HR<100	0		
	90-99	+2	+2	SBP≥100 and HR≥100	+1		
	<90	+3	+3	SBP<100	+2	≤90	+1
Heart rate ≥ 100		+1	+1				
Melena present		+1	-				
Recent syncope		+2	-				
Hepatic disease		+2	-	No comorbidity	0		
Cardiac failure		+2	-	Any comorbidity (except)	+2		
Hemoglobin				Renal, hepatic failure and/or disseminated malignancy	+3		
For women ≥100 and <120		+1	+1				
<100		+6	+6				
For men ≥ 120 and <130		+1	+1				
≥100 and <120		+3	+3				
<100		+6	+6				
Blood urea nitrogen (mmol/l)							
6.5 -8		+2	+2				
8-10		+3	+3				
10-25		+4	+4				
≥ 25		+6	+6				
Albumin <30 g/l						+1	
INR >1.5						+1	
Alteration in mental status						+1	

Supplementary Figure 1: Sensitivity/Specificity of UGIB scores predicting need for intervention or in-hospital death by threshold

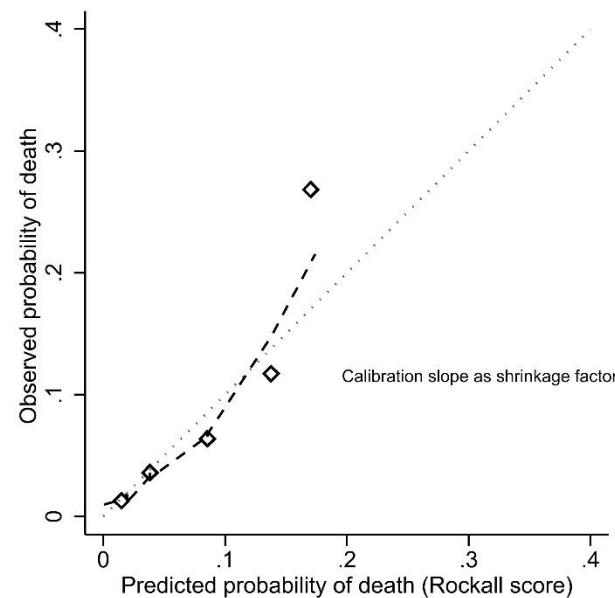
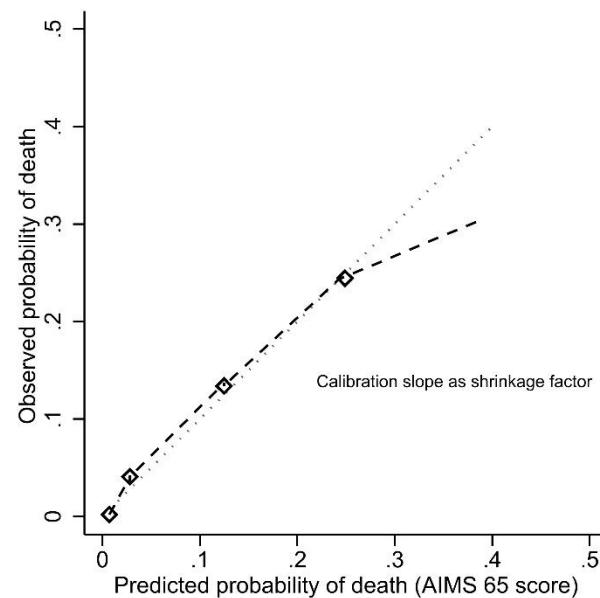


Supplementary Figure 2: Calibration curves for AIMS 65 and pre-endoscopic Rockall score

A



B



A: Calibration curves using the initial published prediction

B: Calibration curves corrected by using calibration slope as a shrinkage factor

Supplementary Table 2: Positive (PPV) and negative predictive value (NPV) and positive and negative likelihood ratio (LR) by scores' threshold.

PERS - Primary outcome (Need for intervention or in-hospital death)						
Threshold	Sensibility	Specificity	PPV	NPV	LR +	LR -
0	98.3	8.3	29.2	92.9	1.1	0.2
1	96.2	10.1	29.1	87.4	1.1	0.4
2	86.5	37.4	34.7	87.8	1.4	0.4
3	52.8	65.0	36.7	78.2	1.5	0.7
4	19.2	92.0	47.9	74.8	2.4	0.9
5	5.5	98.4	56.1	73.0	3.3	1.0
6	0.5	100.0	100.0	72.4	-	1.0

AIMS 65 - Primary outcome (Need for intervention or in-hospital death)						
Threshold	Sensibility	Specificity	PPV	NPV	LR +	LR -
0	85.6	41.8	36.1	88.3	1.5	0.3
1	36.7	85.5	49.4	77.9	2.5	0.7
2	7.4	98.7	68.9	73.5	5.8	0.9
3	0.5	100.0	100.0	72.4		1.0

GBS - Primary outcome (Need for intervention or in-hospital death)						
Threshold	Sensibility	Specificity	PPV	NPV	LR +	LR -
0	99.8	11.6	30.2	99.2	1.1	0.02
1	98.3	20.0	32.1	96.9	1.2	0.08
2	97.6	28.1	34.3	96.9	1.4	0.08
3	95.7	37.8	37.1	95.8	1.5	0.11
4	94.3	45.3	39.8	95.4	1.7	0.13
5	91.9	51.2	42.0	94.3	1.9	0.16
6	87.7	57.9	44.4	92.4	2.1	0.21
7	79.9	64.0	46.0	89.2	2.2	0.31
8	71.8	68.6	46.8	86.4	2.3	0.41
9	62.8	74.3	48.4	83.9	2.4	0.50
10	50.9	80.7	50.4	81.1	2.6	0.61
11	36.7	87.2	52.4	78.2	2.9	0.72
12	26.1	91.3	53.4	76.3	3.0	0.81
13	14.7	96.5	62	74.7	4.2	0.88
14	8.8	98.5	69.8	73.8	6.0	0.92
15	3.1	99.6	72.2	72.8	6.8	0.97
16	2.1	100.0	100.0	72.7	-	0.98
17	0.7	100.0	100.0	72.4	-	0.99

mGBS - Primary outcome (Need for intervention or in-hospital death)						
Threshold	Sensibility	Specificity	PPV	NPV	LR +	LR -
0	99.5	21.1	32.6	99.1	1.3	0.02
1	97.4	28.4	34.3	96.6	1.4	0.09
2	97.4	36.1	36.9	97.3	1.5	0.07
3	95.5	45.0	40.0	96.3	1.7	0.1
4	92.2	52.2	42.6	94.6	1.9	0.15
5	89.8	57.7	44.9	93.6	2.1	0.17
6	77.7	65.6	46.5	88.5	2.3	0.34
7	70.6	71.4	48.7	86.4	2.5	0.41
8	62.1	75.3	49.2	83.8	2.5	0.50
9	50.2	79.4	48.4	80.6	2.4	0.62
10	29.2	91.5	56.7	77.1	3.4	0.77
11	17.1	96.5	64.9	75.2	4.8	0.86
12	6.9	99.2	76.3	73.5	8.4	0.93
13	3.3	99.8	87.5	72.9	18.2	0.97
14	1.2	99.9	83.3	72.5	13.0	0.99
15	0.2	99.9	100.0	72.3	-	1.00
16	0	100.0	-	72.3	-	1.00

PERS - Secondary outcome (In-hospital death)						
Threshold	Sensibility	Specificity	PPV	NPV	LR +	LR -
0	100.0	6.8	5.3	100	1.1	0
1	97.4	8.7	5.3	98.4	1.1	0.3
2	92.1	32.0	6.6	98.7	1.4	0.2
3	71.1	61.7	8.9	97.6	1.9	0.5
4	34.2	90.1	15.4	96.3	3.5	0.7
5	14.5	97.9	26.8	95.6	7.0	0.9
6	0.0	99.9	-	95.0	-	1.0

AIMS 65 - Secondary outcome (In-hospital death)						
Threshold	Sensibility	Specificity	PPV	NPV	LR +	LR -
0	98.7	35.9	7.5	99.8	1.5	0.04
1	61.8	81.5	15.0	97.6	3.3	0.5
2	14.5	97.7	24.4	95.6	6.2	0.9
3	0.0	99.9	0	95.0	0	1.0
4	0.0	100.0	-	95.0	-	1.0

GBS - Secondary outcome (In-hospital death)						
Threshold	Sensibility	Specificity	PPV	NPV	LR +	LR -
0	100.0	8.9	5.5	100	1.1	0
1	96.1	15.5	5.6	98.7	1.1	0.25
2	96.1	21.9	6.1	99.1	1.2	0.18
3	94.7	29.7	6.6	99.1	1.3	0.18
4	92.1	35.7	7.0	98.9	1.4	0.22
5	86.8	40.6	7.1	98.3	1.5	0.32
6	82.9	46.7	7.6	98.1	1.6	0.37
7	73.7	53.2	7.6	97.5	1.6	0.50
8	64.5	58.6	7.6	96.9	1.6	0.61
9	56.6	65.1	7.9	96.6	1.6	0.67
10	47.4	72.9	8.4	96.3	1.8	0.72
11	36.8	81.5	9.5	96.1	2.0	0.78
12	25.0	87.1	16.0	95.7	1.9	0.86
13	21.1	94.2	17.0	95.8	3.6	0.84
14	11.8	96.9	22.2	95.4	3.9	0.91
15	5.3	99.0	22.2	95.2	5.4	0.96
16	2.6	99.5	33.3	95.1	5.4	0.98
17	1.3	99.9	-	95.1	9.5	0.99
18	0.0	100.00		95.0	-	1.00

mGBS - Secondary outcome (In-hospital death)						
Threshold	Sensibility	Specificity	PPV	NPV	LR +	LR -
0	98.68	16.12	5.8	99.6	1.2	0.08
1	96.05	22.15	6.1	99.1	1.2	0.18
2	96.05	28.03	6.6	99.3	1.3	0.14
3	93.42	35.22	7.1	99.0	1.4	0.19
4	88.16	41.38	7.3	98.5	1.5	0.29
5	84.21	46.02	7.6	98.2	1.6	0.34
6	73.68	55.02	7.9	97.5	1.6	0.48
7	67.11	61.18	8.3	97.2	1.7	0.54
8	60.53	66.30	8.6	97.0	1.8	0.60
9	47.37	72.18	8.2	96.3	1.7	0.73
10	31.58	86.64	11.1	96.0	2.4	0.79
11	21.05	93.43	14.4	95.7	3.2	0.85
12	13.16	98.06	26.3	95.5	6.8	0.89
13	6.58	99.24	31.3	95.3	8.6	0.94
14	1.32	99.65	16.7	95.0	3.8	0.99
15	0.00	99.93	0	95.0	0	1.00
16	0.00	100.00	-	95.0	-	1.00